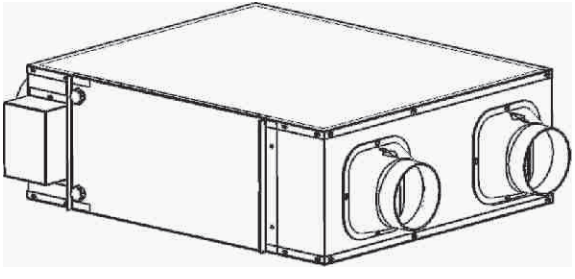
menred®

Central ventilation system user manual



HEAT RECOVERY VENTILATOR

TO USER

Firstly, thanks for choosing our ventilator ,and, and give us a chance service to you,then offer you a more confort,energy-saving and health life.

Why need to use the central ventilator system?

For the popultation highly crowded ,smocking produce the dust, smog and Co2,Everyone breathe 25, 920 times a day on average.

We need 1. 5 kg of food a day and 2 kg of water, but needs 12 kg of air, so people need for an effective quality of life and living environment approach rather have reasonable and efficient central air system to ensure good indoor key factor in quality.

The advantages of using central ventilator system:

1. Solution decoration pollution, after the interior decoration with formaldehyde, benzene, ammonia, radon and other toxic gases exhausted to the outside air in a timely manner, introducing the fresh air of nature indoors, Allows you to remove the toxic gas against, enjoy the fresh air 24 hours a day protection.
2. Home is no longer bored. Bored at home, because people living in the indoor harmful gas, odor and moisture caused. The exhaust system for you and remove the introduction of fresh air, exposure to indoor feel like being in deep forest green among the general relaxed.
3. Exemption of passive smoking, indoor air as the continuous directional movement, exhaled smoke was not to stay into the room, you no longer had to worry about passive smoking.
4. Humidity and constant moisture healthy oxygen. In the interior of your skin and body will continue to enjoy 24 hours of fresh air from the nature of the bath, so that health and beauty with you.
5. Huang Mei-day is not moldy, air layer movement so that mold can not breed, the family no longer have to worry about mold, and thus extend the life of the furniture and construction.
6. Air conditioning disease prevention, because the air conditioning water was continuously removed, dry air to stimulate the respiratory mucosa, causing the upper respiratory tract infection (air sickness), this system allows you to remove the damp air illness.
7. Dust, sterilization equipment, health inlet fresh air HEPA filtration system installed, new air from outside to filter dust, sterilization, so that you breathe the fresh air of high quality.

Thanks again for your choice, and wish in the central air products, help you and your family life more healthy and happy!

Rudimentary Knowledge

With the popularization of air conditioning today's society, all kinds of air pollution in places the air is generally a direct impact on people's health. To improve air quality within enclosed buildings and energy conservation company and produced a new generation of high efficiency central ventilator system. It can be an independent indoor air replacement, cleaning, mobile, while the exclusion of indoor pollution, Enter 100% fresh and natural air, and fresh air enter the room through the filter, sterilization, oxygen, preheating (when cold outdoor air) and many other processing and then into the room. Solve the people working and living environment of high-quality desire.

Our company's central ventilator system with a variety of fresh air models. Can be used in almost all the fresh air to the place, such as: offices, conference rooms, exhibition halls, theaters, hotels, hospitals, homes, apartments, factories, mines and so on. Our aim is: The central ventilator system of Menred, you created a moment to keep indoor air clean and fresh indoor environment quality, creating health, energy saving, comfortable house.

Product Presentation

◆ **The heating recovery ventilator**

The introduction of fresh air from the indoor air and outdoor air in the heat haze to exclude the core Department to conduct the exchange of energy exchange, about energy efficient recovery, maintain the indoor air temperature, humidity indicators, air-conditioning capacity and reducing the costs of daily operations to achieve air purification and dual goals of energy conservation.

Select Method

There are several standard calculations can be used as needed to maintain healthy indoor air quality, fresh air of the selection basis.

International standard ASHRAE62-1989 provides the minimum fresh air per hour indoor ventilation rate of 0.35 times or more, while essential in each 15fm (25MH) of fresh air.

China's indoor air quality specification in our living environment, or at least an hour per person per 30CMH of fresh air ventilation for at least 1-2 times.

Formula:

Need fresh air(CMH)=room area(sqm)×height(m)×air changes per hour(ACH)

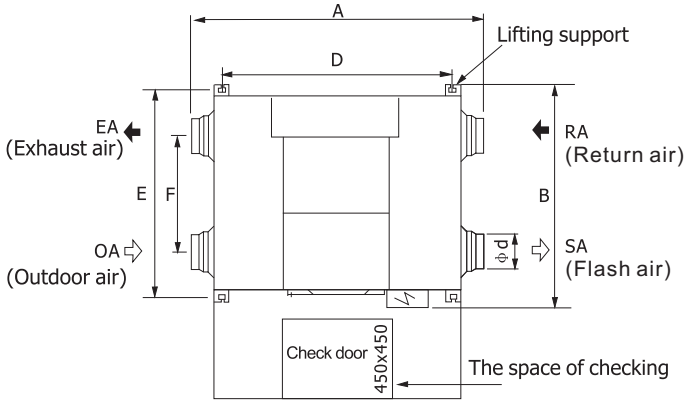
Example: A 138 square meters of residential units,2.6 meters height (Excluding suspended ceiling space)=138sqm×2. 6m×1ACH=358.8CMH

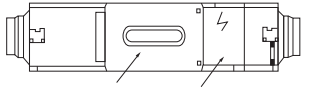
Notice these standard be set only minimum fresh air ventilation. To take into account the actual design of the room to use the local environment and requirements.

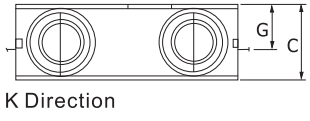
Comparison long-term cost

General ventilator		Heating recovery ventilator	
General ventilator ×1set Power 26W		EC250M822×1set Power 75W	
Ventilator operation cost	109.32 RMB/YEAR	Heating ventilator operation cost	311.04 RMB/YEAR
Ventilator loss of air conditioning cost	3320.4 RMB/YEAR	Ventilator loss of air conditioning cost	1376.84 RMB/YEAR
Total.	3329.72 RMB/YEAR	Total.	1687.88 RMB/YEAR

The difference between running costs 1641.84



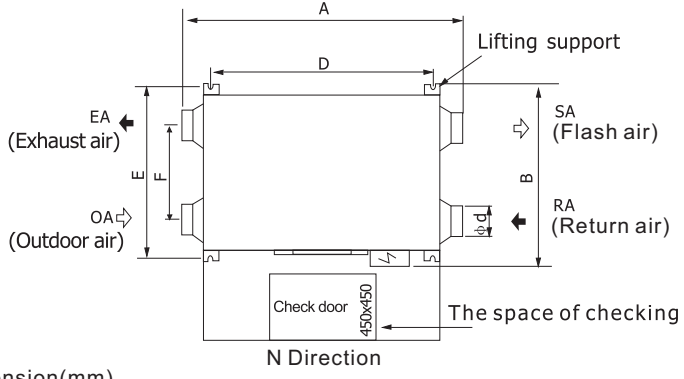


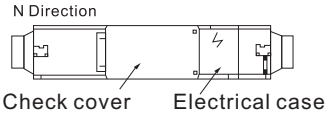


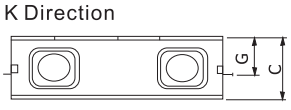
Dimension(mm)

Model	Size							
	A	B	C	D	E	F	G	Φd
EM350M854	1075	924	270	815	860	482	112	150
EM500M855	1130	1106	312	905	1045	728	38	200
EM800M856	1488	995	396	1252	936	430	172	250
EM1000M857	1488	995	396	1252	936	430	172	250

Attention: If the design changes coursed the above dates changed, we will not notice again,
Please reference to the product Tab.







Dimension(mm)

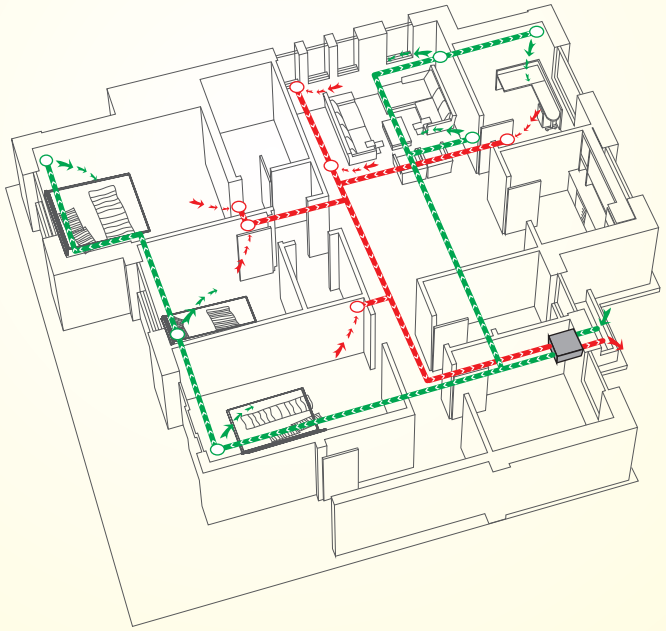
Size							
A	B	C	D	E	F	G	Φd
748	584	200	638	447	280	12	100

Parameter

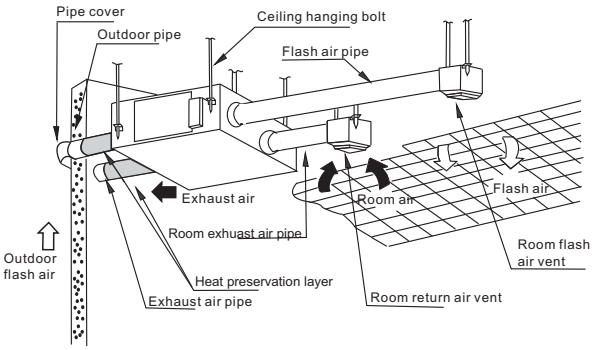
Model	EC200M821	EC250M822	EM350M854	EM500M855	EM800M856	EM1000M857
Power(V/Hz)	220/50/60	220/50/60	220/50/60	220/50/60	220/50/60	220/ 50/60
Air Volume(m3/h)	200/150	250/200	350/350/270	500/500/360	800/800/625	1000/780/650
Static Pressure(Pa)	90/55	85/65	90/60/30	100/60/30	150/100/40	115/75/35
Recovery Rate(%)	60/63	65/68	71/71/75	71/71/75	71/71/75	71/71/75
Power Rating(W)	68/52	75/65	140/125/115	260/230/210	320/273/205	450/375/330
Noise(dB(A))	39/32	40/33	36/34/31	38/35/32	41/37/33	41/37/33
Weight(KG)	19.5	20	29	50	72	85

Attention: The above dates are measured in the standard static pressure,noise level is measured under the host central 1.5m when the static pressure is 0Pa.These dates might be not meet up to the actual for the products will be changed,please according to the date of tab.

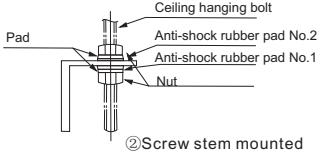
The whole diagram of intallation



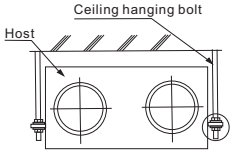
The part diagram of installation



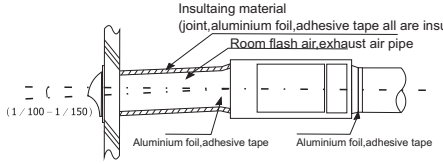
The two air pipe mounted outdoors must be keep warm to avoid condensation.



②Screw stem mounted



①host hanging diagram

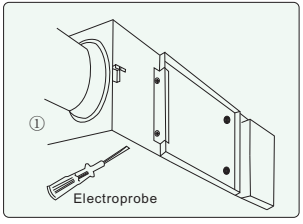


③Ventilation system sectional view

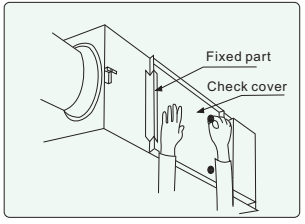
Using sercurity

1. Not be used for open burning of containers (such as oil heating furnace, etc.) ventilation.
2. Not operate switches with wet hands, or easily cause electric shock.
3. Can not be used near flammable aerosols in the host, otherwise easily lead to fire.
4. Abnormal (pills only to discover) to stop running, turn off the dedicated circuit breaker (OFF).
5. Must be in accordance with rated voltage to use, otherwise easily cause fire and electric shock.
6. For special purposes should be determined through adequate.
7. Open the window to change fresh air when leak out combustible gas, can't open power, or easily lead to burst;
8. Do not place burning appliance outlet straight hair in the host location.
9. Do not insert fingers or sticks into the outlet or exhaust port.
10. Do not repeat the switch rapidly, otherwise easily lead to electrical failure caused by misuse.
11. After a long time when not in use, dedicated circuit breaker for safety please close.
12. Never be self-transformation, decomposition, or repair, improper operation may cause electric shock or other dangerous.

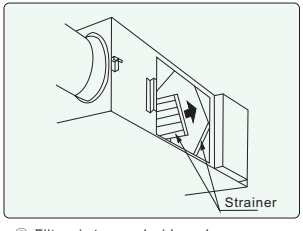
Maintenance



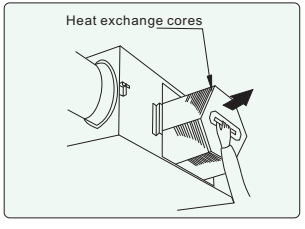
① Disconnect the power, using electro probe test out frame, then can maintenance work.



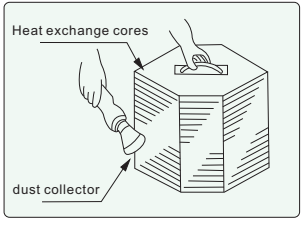
② Will examine the two black knobs cover Unscrew and remove the access cover.



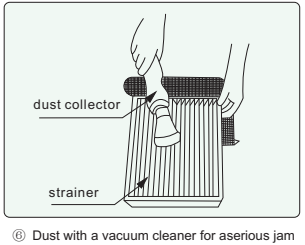
③ Filters in two each side under hot core of a forward pull.



④ I pulled out from the heat exchange cores maintenance, if heat exchange cores have been used for more than 10 years, the proposed change.



⑤ With a vacuum cleaner to dust, if damage effects can be replaced.



⑥ Dust with a vacuum cleaner for aserious jam available <60 ℃ water immersion and spray cleaner indoor air special antibacterial treatment.

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CENTRAL VACUUM SYSTEM

WARRANTY 3 YEARS

Menred Controls System